

AMENDMENT

U.S. Appln. No. 09/663,298

PHD 99,118

IN THE CLAIMS:

Please amend the following claims:

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1. (Amended) A plasma picture screen, comprising:
a front plate;
a back plate;
a plurality of gas-filled plasma cells arranged between
the front and back plates and separated by partitioning walls;
and
a plurality of electrodes on the front plate and the
back plate for generating corona discharges,
wherein the front plate includes a glass plate on which
a dielectric layer, a protective layer and a UV light reflecting
layer are provided, the protective layer is between the
dielectric layer and the UV light reflecting layer.

2. (Amended) A plasma picture screen as claimed in claim
1, wherein the UV light reflecting layer includes oxides of the
composition M_2O , such as Li_2O , or oxides of the composition MO ,
with M chosen from the group Mg, Ca, Sr, and Pa, or oxides of the
composition M_2O_3 , with M chosen from the group B, Al, Sc, Y, and
La, or oxides of the composition MO_2 , with M chosen from the

AMENDMENT**U.S. Appln. No. 09/663,298****PHD 99,118**

group Si, Ge, Sn, Ti, Zr, and Hf, or oxides of the composition $M'M''_2O_4$, with M' chosen from the group Mg, Ca, Sr, and Ba, and M'' chosen from the group Al, Sc, Y, and La, or fluorides of the composition MF, with M chosen from the group Li, Na, K, Rb, Cs, and Ag, or fluorides of the composition MF_2 , with M chosen from the group Mg, Ca, Sr, Ba, Sn, Cu, Zn, and Pb, or fluorides of the composition MF_3 , with M chosen from the group La, Pr, Sm, Eu, Gd, Yb, and Lu, or fluorides of the composition $M'M''F_3$, with M' chosen from the group Li, Na, K, Rb, and Cs, and M'' chosen from the group Mg, Ca, Sr, and Ba, or phosphates of the composition M_3PO_4 , with M chosen from the group Li, Na, K, Rb, and Cs, or phosphates of the composition $M_3(PO_4)_2$, with M chosen from the group Mg, Ca, Sr, and Ba, or phosphates of the composition MPO_4 , with M chosen from the group Al, Sc, Y, La, Pr, Sm, Eu, Gd, Yb, and Lu, or phosphates of the composition $M_3(PO_4)_4$, with M chosen from the group Ti, Zr, and Hf, or metaphosphates with a chain length n of between 3 and 9 and the composition $(M_xPO_3)_n$, with $x = 1$ if M is chosen from the group Li, Na, K, Rb, and Cs, $x = \frac{1}{2}$ if M is chosen from the group Mg, Ca, Sr, Ba, Sn, Cu, Zn, and Pb, $x = \frac{1}{3}$ if M is chosen from the group Al, Sc, Y, La, Pr, Sm, Eu, Gd, Yb, and Lu, and $x = \frac{1}{4}$ if M is chosen from the group Ti, Hf, and Zr, or polyphosphates with a chain length n between 10^1 and 10^6 and the composition $(M_xPO_3)_n$, with $x = 1$ if M is chosen from the

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A2

AMENDMENT

U.S. Appln. No. 09/663,298

PHD 99,118

group Li, Na, K, Rb, and Cs, $x = \frac{1}{2}$ if M is chosen from the group Mg, Ca, Sr, Ba, Sn, Cu, Zn, and Pb, $x = 1/3$ if M is chosen from the group Al, Sc, Y, La, Pr, Sm, Eu, Gd, Yb, and Lu, and $x = \frac{1}{4}$ if M is chosen from the group Ti, Hf, and Zr, or primary phosphates of the composition MH_2PO_4 , with M chosen from the group Li, Na, K, Rb, and Cs, or $NH_4H_2PO_4$, or diamond.

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3. (Amended) A plasma picture screen as claimed in claim 1, wherein the UV light reflecting layer includes particles with a particle diameter of between 200 nm and 500 nm.

4. (Amended) A plasma picture screen as claimed in claim 3, wherein the UV light reflecting layer has a thickness of 0.5 μm to 5 μm .

5. (Amended) A plasma picture screen as claimed in claim 1, wherein the UV light reflecting layer comprises agglomerates of particles having particle diameters of between 10 nm and 200 nm.

6. (Amended) A plasma picture screen as claimed in claim 5, wherein the UV light reflecting layer has a thickness of 0.2 μm to 10 μm .